A 21.6 : 936

United States Department of Agriculture

MONTHLY LIST OF PUBLICATIONS

JUNE 1936

Any five of the nontechnical publications listed herein, unless indicated "For sale only", may be obtained free upon application to the United States Department of Agriculture, Washington, D. C., as long as the Department's supply lasts. After this supply is exhausted, publications may be obtained from the Superintendent of Documents, Government Printing Office, Washington, D. C., by purchase at the prices stated herein. His office is not a part of the Department of Agriculture.

Free distribution of technical material and periodicals is restricted.

FARMERS' BULLETINS

These bulletins discuss in nontechnical language a wide variety of subjects pertaining to the farm and farm home.

The home production of onion seed and sets. W. R. Beattie, Bureau of Plant Industry. 20 p., illus. (F. B. 434 F., rev.) Price, 5¢.

Diseases and parasites of poultry. John S. Buckley, Hubert Bunyea, and Eloise B. Cram, Bureau of Animal Industry. 70 p., illus. (F. B. 1652F., rev.) Price, 10¢.

LEAFLETS

The series carries popular material of the same general character as that carried by the Farmers' Bulletins except that the leaflets are confined to specific practical directions, recommendations, remedies, and methods. They are brief and concise, written in informal, popular style, and are limited to eight pages.

Growing the Jerusalem artichoke. Victor R. Boswell, Bureau of Plant Industry. 8 p. (Leaf. 116L.) Price, 5¢.

TECHNICAL BULLETINS

The Technical Bulletins contain the results of scientific and research work applying to a special crop, industry, or locality. The editions are limited, as they are intended primarily for scientific workers and subject-matter specialists.

Variations in naval-stores yields associated with weather and specific days between clippings. V. L. Harper and Lenthall Wyman, Forest Service. 35 p., illus. (T. B. 510T.) Price, 5¢.

Determination of the influence of various weather factors on gum yield should aid substantially in fundamental research in gum formation and flow, particularly as related to dry facing and as affected by insect attacks, defoliation by fire, and chipping methods.

Irrigated crop rotations in western Nebraska, 1912–34. Stephen H. Hastings, Bureau of Plant Industry. 36 p., illus. (T. B. 512T.) Price, 5¢.

This bulletin is devoted to a presentation of the results of a comprehensive series of rotation experiments conducted at the Scotts Bluff (Nebr.) Field Station. In view of the fact that the results cover a 23-year period, they make a substantial contribution to the knowledge of the crops and rotational practices best adapted to maintain or increase crop yields.

Further experiments on the control of barley smuts. R. W. Leukel, Bureau of Plant Industry. 12 p. (T. B. 513T.) Price, 5¢.

The recent development of new fungicidal dusts, some of which were effective in controlling barley stripe and black loose smut, made it seem desirable to continue experiments on the control of covered smut with dust fungicides.

Studies of the culture and certain varieties of the Jerusalem artichoke. Victor R. Boswell, C. E. Steinbauer, and M. F. Babb, Bureau of Plant Industry; W. L. Burlison, Illinois Agricultural Experiment Station; W. H. Alderman, Minnesota Agricultural Experiment Station; and H. A. Schoth, Bureau of Plant Industry, cooperating with the Oregon Agricultural Experiment Station. 70 p. (T. B. 514T.) Price, 10¢.

Since the history, description, and present uses of the Jerusalem artichoke are extensively treated in a previous publication, the present bulletin deals chiefly with the cooperative experiments and their relation to crop production.

Species of Capillaria parasitic in the upper digestive tract of birds. Eloise B. Cram, Bureau of Animal Industry. 28 p., illus. (T. B. 516T.) Price, 5¢.

Data concerning natural cases and experimentally produced cases of infestation are presented, including observations on the life history and pathogenicity of the parasites. Nine additional species are also considered.

78804°—36

Transit and storage diseases of fruits and vegetables as affected by initial carbon dioxide treatments. Charles Brooks, C. O. Bratley, and L. P. McColloch, Bureau of Plant Industry. 24 p. (T. B. 519T.) Price, 5¢.

This bulletin reports experiments in which initial gas treatments were used as a supplement to ice refrigeration and gives a discussion of the benefits and limitations of such treatments.

CIRCULARS

This series carries the less technical and more informal material of the same general nature as that in the Technical Bulletin series.

Distribution of the Argentine ant in the United States and suggestions for its control or eradication. M. R. Smith, Bureau of Entomology and Plant Quarantine. 40 p., illus. (Cir. 387C.) Price, 5¢.

Production of sauer rüben. Harry E. Goresline and Lawrence H. James, Bureau of Chemistry and Soils. 10 p., illus. (Cir. 389C.) Price, 5¢.

Variety tests of sugarcanes in Louisiana during the crop year 1933–34 and summary of annual results 1926–34. George Arceneaux, I. E. Stokes, and C. C. Krumbhaar, Bureau of Plant Industry. 31 p., illus. (Cir. 395C.) Price, 5¢.

MISCELLANEOUS PUBLICATIONS

This series includes those publications of a miscellaneous nature which do not fall within any of the other series issued by the Department, particularly those of a size other than octavo. Such publications were formerly issued as Miscellaneous Circulars.

The vertical drier for seed cotton. Charles A. Bennett, Bureau of Agricultural Engineering, and Francis L. Gerdes, Bureau of Agricultural Economics. 22 p., illus. (M. P. 239MP.) Price, 5¢.

SERVICE AND REGULATORY ANNOUNCEMENTS

Such notices of judgment, decisions, and instructions as are necessary in the enforcement of regulatory acts are contained in these announcements. They are issued monthly or as necessary by certain bureaus. *Free distribution* is limited to persons in the employ of the Department, to public officials whose duties render it necessary for them to have such information, to journals especially concerned, and to manufacturers and firms whose business is affected by the announcements.

Bureau of Animal Industry, Service and Regulatory Announcements. May 1936. Pp. 47–58. (S. R. A.–B. A. I. 349.) Price, 5¢.

Japanese beetle quarantine. Quarantine no. 48, revision of quarantine and regulations. Effective March 16, 1936. Bureau of Entomology and Plant Quarantine. 13 p. (B. E. P. Q.–Q 48).[2]

Notices of judgment under the Food and Drugs Act. Food and Drug Administration. Pp. 405–416. (N. J., F. D. 24801–24825). Foods; pp. 417–453. (N. J., F. D. 24826–24925). Foods; pp. 455–484. (N. J., F. D. 24926–25000). Foods; pp. 1–11. (N. J., F. D. 25001–25025.) Foods.[2]

Notices of judgment under the regulations of the Naval Stores Act. Food and Drug Administration. 1 p. (N. J., N. S. No. 11).[2]

SOIL SURVEYS

These reports consist of two parts: (1) a soil map in colors showing the extent and distribution of the different soils in the area covered by the survey and (2) a printed report containing brief descriptions of the area, its climate and agriculture, and detailed descriptions of the soils. They are of interest and value primarily to residents of the area surveyed and to soil specialists. All requests for Soil Surveys are referred to the Bureau of Chemistry and Soils, which controls their distribution.

Arizona, Tucson area. (No. 19, series 1931.) 60 p., illus. Price, 45¢.

Montana, the Gallatin Valley area. (No. 16, series 1931.) 36 p., illus. Price, 40¢.

North Carolina, Franklin County. (No. 21, series 1931.) 24 p., illus. Price 5¢.

Oklahoma, Craig County. (No. 24, series 1931.) 41 p., illus. Price, 35¢.

Virginia, Nansemond County. (No. 6, series 1932.) 39 p., illus. Price, 30¢.

---

[1] Payable to the Superintendent of Documents, Government Printing Office, Washington, D. C.

[2] These may be obtained from the issuing bureau.

Indicate below, by numbers IN NUMERICAL ORDER, bulletins desired. In order to assure prompt delivery detach this frank and return in stamped envelope to United States Department of Agriculture, Office of Information, Washington, D. C. List no more than five publications. If more are desired please apply to Superintendent of Documents, Government Printing Office, Washington, D. C., enclosing remittance to cover cost of publication. Be sure to fill in blank form on reverse side.

Farmers' Bulletins	Leaflets	Other publications

OTHER PUBLICATIONS

Average conditions of wind and weather, North Atlantic Ocean and West Indian waters. W. F. McDonald, Weather Bureau. 9 p. Price, 5¢.

Handbook of official hay standards, including straw standards. Bureau of Agricultural Economics. Revised effective April 1, 1936. Price, 5¢.

Highway bond calculations. Laurence I. Hewes, Bureau of Public Roads, and James W. Glover, University of Michigan. 51 p. Price, 10¢.

Index to Department Bulletins, nos. 1–1500. Mabel G. Hunt, Office of Information. 384 p. For sale only. Price, 25¢.

Plant material introduced by the Division of Plant Exploration and Introduction, Bureau of Plant Industry, January 1 to March 31, 1934 (nos. 103989–105035). 41 p. (Inventory 118.) Price, 5¢.

Regulations relating to game, land fur animals, and birds in Alaska, 1936–37. 32 p. (Alaska G. C. Cir. 13.) Price, 5¢.

Report of the Director of Finance, 1935. W. A. Jump. 22 p. Price, 5¢.

PERIODICALS

Free distribution of periodicals is definitely restricted. They may be obtained by purchase or subscription from the Superintendent of Documents.

Agricultural situation. Vol. 20, no. 6, June 1, 1936. Price, 5¢ a copy; 25¢ a year, domestic; 45¢ a year, foreign.[1]

Crops and markets. Vol. 13, no. 5, June 1936. Price, 10¢ a copy; $1.00 a year, domestic; $1.50 a year, foreign.[1]

Daily weather maps. Limited editions. Not for general distribution.

Shows weather conditions for United States and forecast for all States east of the Mississippi River, except Illinois, Wisconsin, Indiana, Upper Michigan, Lower Michigan, Alabama, Mississippi, and the extreme western portion of Florida. Price daily, except Sundays and holidays, 25¢ a month, $3 a year; daily, including Sundays and holidays, 30¢ a month, $3.60 a year. Sunday and holiday maps only, 50¢ a year. Foreign subscriptions, $7.25 a year. Maps DD, E, and CM showing the weather conditions and forecasts, are issued at numerous stations throughout the United States, 20¢ a month, $2.40 a year.[1]

Experiment station record. Vol. 74, no. 5, May; no. 6, June 1936. Price, $1 per volume (2 volumes a year) consisting of 6 monthly numbers and index; $1.50 per volume, foreign. Single number for sale only. Price, 15¢.[1]

Extension service review. Vol. 7, no. 6, June 1936. Illus. Price, 5¢ a copy; 50¢ a year, domestic; 90¢ a year, foreign.[1]

---

[1] Payable to the Superintendent of Documents, Government Printing Office, Washington, D. C.

[2] These may be obtained from the issuing bureau.

UNIVERSITY OF FLORIDA
3 1262 08903 7112

U. S. DEPARTMENT OF AGRICULTURE
OFFICE OF INFORMATION
WASHINGTON, D. C.

PENALTY FOR PRIVATE USE TO AVOID PAYMENT OF POSTAGE, $300

OFFICIAL BUSINESS

University of Florida
Library
Gainesville
Alachua Co
Fla
D ALL 85

6–36

Journal of agricultural research. Price, $3.25 a year, domestic; $4.75 a year, foreign. Each issue, 15¢, domestic; 20¢, foreign. Reprints, 5¢, domestic; 8¢, foreign.[1] Not distributed free to individuals.

——— Vol. 51. July 1–December 15, 1935. Title page, table of contents, and index. Pp. 1243–1252. Price, 5¢.[1]

——— Vol. 52, no. 9, May 1, 1936. Illus.

Contents:

The diurnal cycle of the powdery mildew *Erysiphe polygoni* (G–1011). Cecil E. Yarwood.

Host range and physiologic specialization of red clover powdery mildew, *Erysiphe polygoni* (G–1012). Cecil E. Yarwood.

Chronic progressive pneumonia of sheep, with particular reference to its etiology and transmission (A–169). G. T. Creech and W. S. Gochenour.

Determination of the less refined mineral oils on leaf surfaces after spraying (K–267). L. H. Dawsey.

Inheritance of resistance to the hessian fly in the wheat crosses Dawson × Poso and Dawson × Big Club (K–268). W. B. Cartwright and G. A. Wiebe.

Quantitative demonstration of the presence of spores of bacillus larvae in honey contaminated by contact with American foulbrood (K–269). A. P. Sturtevant.

The toxic effects of naphthalene on *Bruchus obtectus* and *Tenebrio molitor* in various stages of development (N. Y. (Cornell)–33). Louis Pyenson and G. F. MacLeod.

Some environmental factors influencing the development of hairy root on apple (Wis.–76) A. J. Riker, D. H. Palmiter, and E. M. Hildebrand.

——— Vol. 52, no. 10. May 15, 1936. Illus.

Contents:

Physiological changes in the rind of California oranges during growth and storage (G–1009). E. M. Harvey and G. L. Rygg.

Field and storage studies on c[illegible]es in the composition of the rind of the Marsh grapefruit in California (G–1010). E. M. Harvey and G. L. Rygg.

The honeybee and the beehive in relation to fire bright (N. Y. (Cornell)–35). E. M. Hildebrand and E. F. Phillips.

Monthly weather review. Vol. 64, no. 3, March 1936. Illus. Price, 15¢ a copy; $1.50 a year, domestic; $2.25 a year, foreign.[1] Not for general distribution.

Public roads. Vol. 17, no. 4; June 1936. Price, 10¢ a copy; $1 a year; $1.50 a year, foreign.[1]

Soil conservation. Vol. 1, no. 11, June 1936. Price, 10¢ a copy; $1.00 per year, domestic.[1]

Weekly weather and crop bulletin. Nos. 22–26, June 2–30, 1936. Price, 50¢ a year, domestic; $1 a year, foreign.[1]

[1] Payable to the Superintendent of Documents, Government Printing Office, Washington, D. C.

U. S. GOVERNMENT PRINTING OFFICE: 1936